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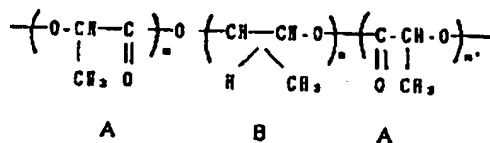
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TITLE : BLOCK, COPOLYMER, ITS  
 PRODUCTION, COPOLYMER FILM  
 AND COPOLYMER FIBER



ABSTRACT : PURPOSE: To obtain the title copolymer excellent in hydrophilicity etc., and useful as a medical fiber or film, by polymerizing a (d)l-lactide with polypropylene glycol in the presence of a specified catalyst.

CONSTITUTION: 100pts.wt. (d)l-lactide (i) is mixed with 2-100pts.wt. polypropylene glycol (ii) either of whose ends is preferably terminated with a secondary OH group and reacted at 60-250°C for several hr in the presence of a cationic polymerization catalyst (iii) which is preferably a trimethylaluminum-water system catalyst to obtain a block copolymer comprising 70-98wt.% polylactic acid segment (A) and 2-30wt.% polypropylene glycol segment (B) and represented by the formula (wherein m and m' are positive integers, including 0, provided that they cannot be simultaneously 0, and n is a positive integer).

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